## No. 364 LUMBER LOADER AND No. 397 COAL LOADER

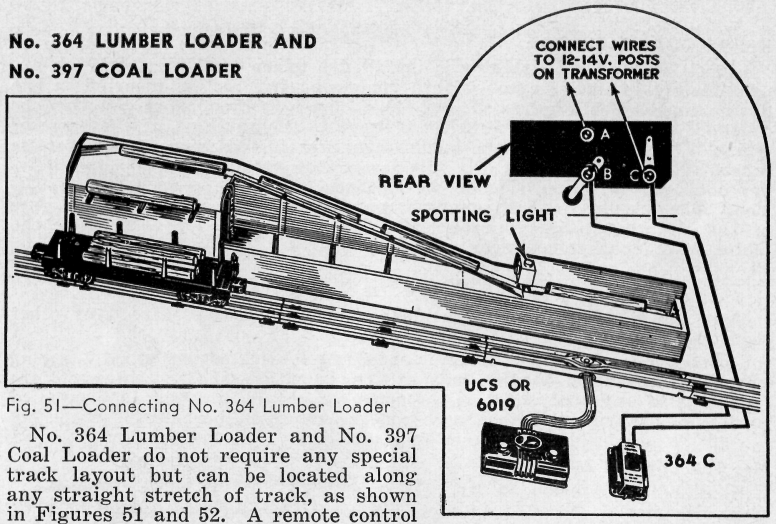


Fig. 51—Connecting No. 364 Lumber Loader

No. 364 Lumber Loader and No. 397 Coal Loader do not require any special track layout but can be located along any straight stretch of track, as shown in Figures 51 and 52. A remote control section is placed in front of the accessories in such a way that operating lumber or coal cars can be unloaded into the receiving bins. Motorized conveyor belts then carry the material from these bins and reload it into the waiting empties. Note that in the case of the Coal Loader the coal car is loaded and unloaded from the same position on the Remote Control Section, while in the case of the Lumber Loader the empty car must be moved over to the loading station in order to be reloaded. Adjust the location of the accessories until you obtain good loading and unloading action.

The conveyor belts in both the Lumber and the Coal Loaders are started and stopped by means of the 364C Controller, shown in Figure 52.

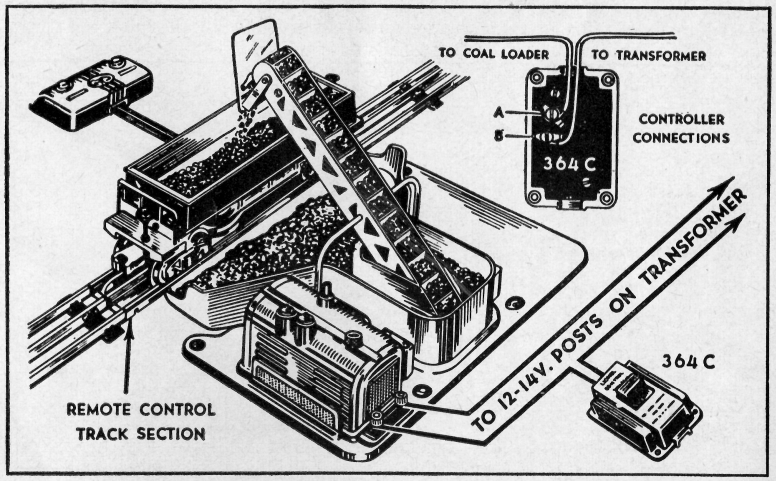


Figure 52—Connection for No. 397 Coal Loader and Its Controller





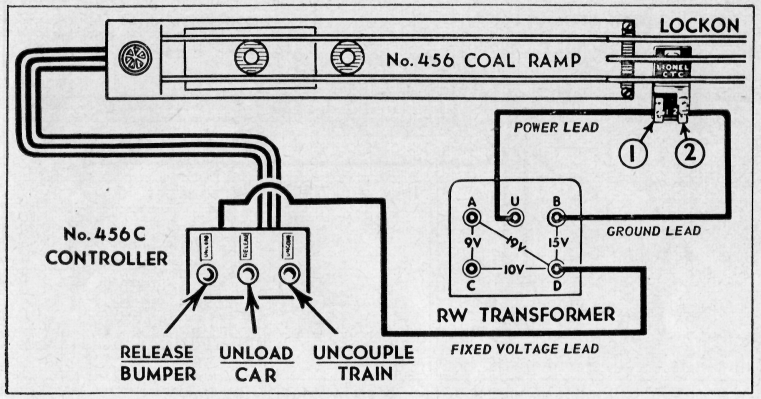


Figure 53—How the Coal Ramp is Installed at the End of a Siding

## No. 456 COAL RAMP SET

No. 456 Coal Ramp Set consists of the elevated ramp and a special operating Hopper Car. It can be used with either "O" or "027" layouts. The ramp is installed on the end of a siding, and is fastened to it by means of two screws furnished with the set.

The Ramp is operated by means of a three-button controller which is wired to the ramp and to the transformer as shown in Figure 53. The three-wire cable is connected to the trestle. The separate fourth wire coming out of the controller supplies power for the ramp and should be connected to a fixed voltage post of the transformer (See page 17). Fixed voltage connection for the ramp will enable you to raise and lower the track voltage to maneuver the train, without interfering with the voltage supplied for the operation of the ramp.

To operate the Hopper Car couple it to the end of the train. (The train must be at least the length of the ramp.) Then back the train up onto the ramp until the Hopper Car latches to the bumper on top of the ramp. Pressing "Uncouple" button will separate the Hopper Car and the train leaving the car on top of the ramp and allowing rest of the train to depart. To dump the coal from the car to the bin underneath the ramp push the "Unload" button. To release the car from the bumper push the "Release" button.

If desired, the Coal Ramp can be operated in conjunction with the No. 397 Coal Loader by mounting the bin on the loader base using two posts supplied with the Ramp.

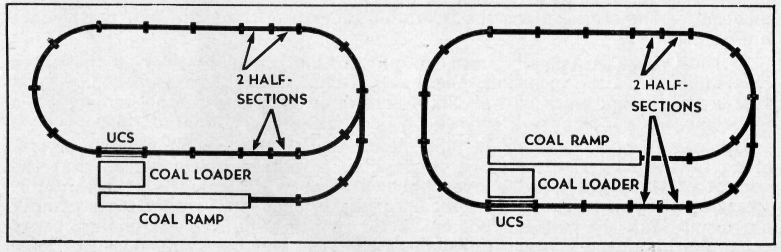


Figure 54—"O" Layouts for Joint Operation of Coal Ramp and Coal Loader